

SERVICE MANUAL

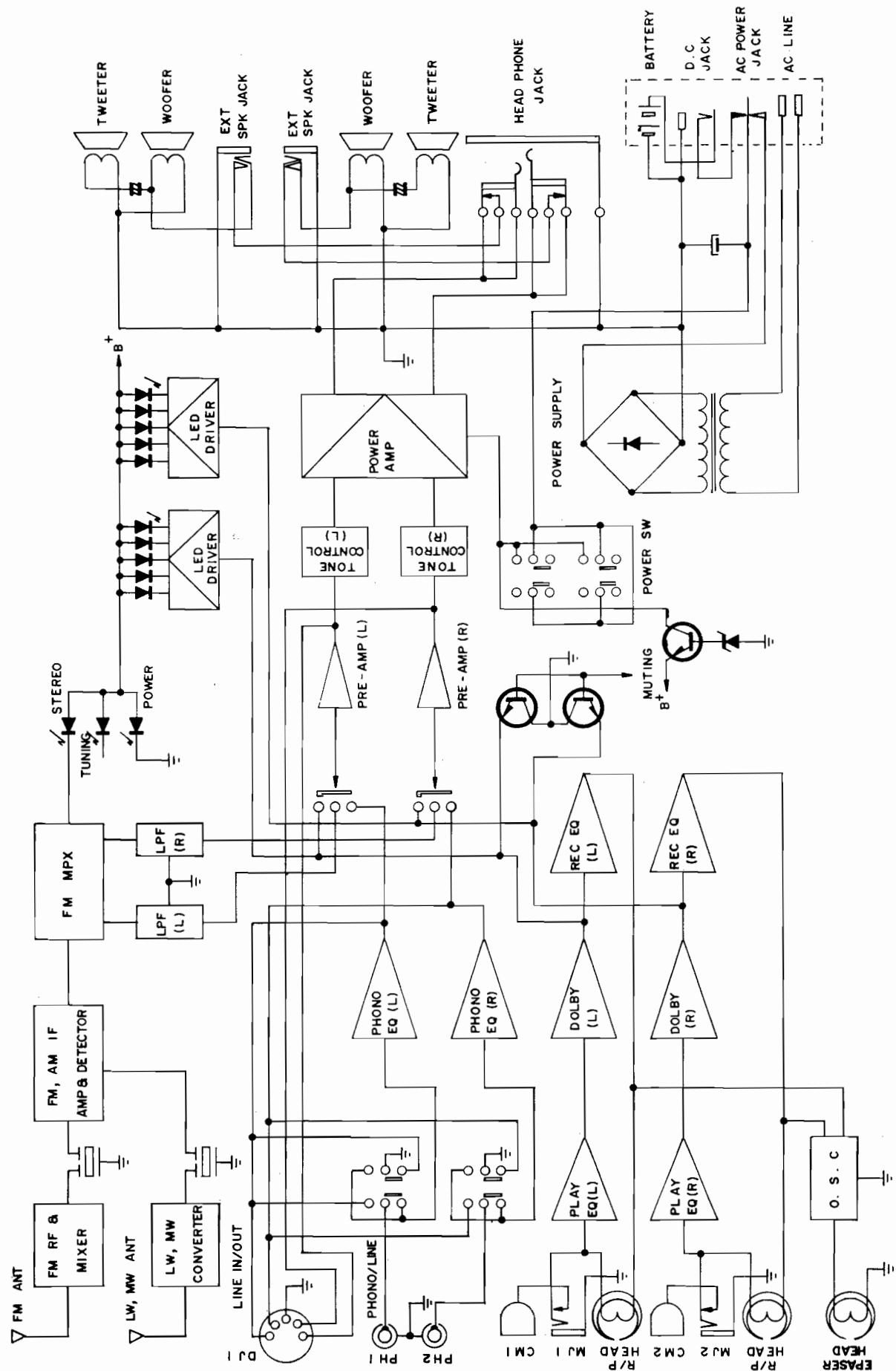
Power Port 2

PORTABLE COMPONENT

UHER Power Port 2

UHER - Servicestelle
Holm GmbH
2 Hamburg 23 - Luisenweg 97
Tel. 040/21.20.71

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ALIGNMENT PROCEDURE

1. AM ALIGNMENT

1-1. MW ALIGNMENT

Step	Test Stage	Signal Generator		Receiver	
		Connect to Receiver	Input Signal Frequency	Dial Setting	Adjustment Point
1	IF	Sweep generator with marker Gen. coupled through test loop antenna to AM receiving antenna	455KHz	Low end of dial	IFT T2, T4
2		Repeat step 1 until no further improvement can be made.			
3	Coverage	Same as step 1	525KHz 1650KHz	Low end of dial High end of dial	MW OSC coil L5 MW OSC trimmer CT5 for SW/MW BAND CT6 for MW/LW BAND
4		Repeat step 3 until no further improvement can be made.			
5	Tracking	Same as step 1	600KHz 1400KHz	600KHz 1400KHz	MW antenna coil L1 Trimmer CT3 for SW/MW BAND. CT7 for MW/LW BAND
6		Refeat step 5 to minimize tracking error and also step 4 if necessary.			

1-2. SW ALIGNMENT

1	Coverage	Sweep generator with marker Gen. through a 10PF capacitor to AT1 and ground	5.8MHz	Low end of dial	SW OSC coil L8
			18.5MHz	High end of dial	Trimmer CT6 on the varicon
2		Repeat step 1 until no further improvement can be made.			
3	Tracking	Same as step 1	7MHz 16MHz	7MHz 16MHz	SW antenna coil L7 Trimmer CT7 on the varicon
4		Repeat step 3 to minimite tracking error and also step 1 if necessary.			

1-3. LW ALIGNMENT

1	Coverage	Sweep generator with marker generator coupled through test loop antenna to Bar antenna	145KHz	Low end of dial	LW OSC coil L6
			380KHz	High end of dial	LW OSC Trimmer CT4
2		Repeat step 4 until no further improvement can be made.			
3	Tracking	Same as step 1	170KHz 320KHz	170KHz 320KHz	LW antenna coil L2 Trimmer CT7
4		Repeat step 3 to minimize tracking error and also step 1 if necessary.			

2. FM ALIGNMENT

1	IF	Sweep generator with marker Gen. through 75 ohm Dummy antenna to AT1 and ground	10.7MHz	Low end of dial	Adjust for max. gain IFT T1. Adjust for min. D/T IFT T2.
2		Repeat step 1 until no further improvement can be made.			
3	Coverage	Same as step 1	87.5MHz	Low end of dial	Adjust for max. gain FM OSC coil L4
			108.5MHz	High end of dial	Adjust for max. gain Trimmer CT2 on the varicon
4		Repeat step 3 until no further improvement can be made.			

Step	Test Stage	Signal Generator		Receiver	
		Connect to Receiver	Input Signal Frequency	Dial Setting	Adjustment Point
5	Tracking	Same as step 1	90MHz	90MHz	Adjust for max. gain FM RF coil L3
			106MHz	106MHz	Adjust for max. gain Trimmer CT1 on the varicon
6	Repeat step 5 until no further improvement can be made.				
7	Pilot Frequency 19KHz	Signal generator with Stereo Mode and small output to AT1 and ground	98MHz	98MHz (Band switch is AUTO)	Adjust for 19KHz \pm 30Hz with frequency counter at TP1 SVR1
8	Stereo Separation	Same as step 7, but output is 60 dB	Right channel 98MHz	98MHz	Adjust for min. R-CH output signal SVR2
			Left channel 98MHz	98MHz	Adjust for min. L-CH output signal SVR2
9	Repeat step 8 until no further improvement can be made.				

3. TAPE ALIGNMENT

- AZIMUTH ADJUSTMENT

Adjustment screw is located on the left side of R/P Head

- 1) Connect 2CH Voltmeter and Oscilloscope to the tape output terminal of both R channel and L channel.
- 2) Set Tape Selector switch to Normal.
- 3) Play 10KHz Azimuth test tape.
- 4) With a screw driver turn adjustment screw slowly for the max. output of left channel and at the same time both channel have the same phase.
- 5) Seal adjustment screw with Non-hardening cement.

- PLAY LEVEL ADJUSTMENT

- 1) Connect a voltmeter and an oscilloscope to test point TP9, TP10 and ground.
- 2) Play Dolby level set test tape (MTT150 or equivalent).
- 3) Adjust SVR5 for output 580mV.
- 4) Repeat above steps for the other channel with SVR6.

- DISPLAY LEVEL LED ADJUSTMENT

- 1) Play under the condition as above Play Level Adjustment .
- 2) Adjust SVR3, so that 4th LED turns on where Dolby mark located.
- 3) Repeat above steps for the other channel with SVR4.

- BIAS FREQUENCY ADJUSTMENT

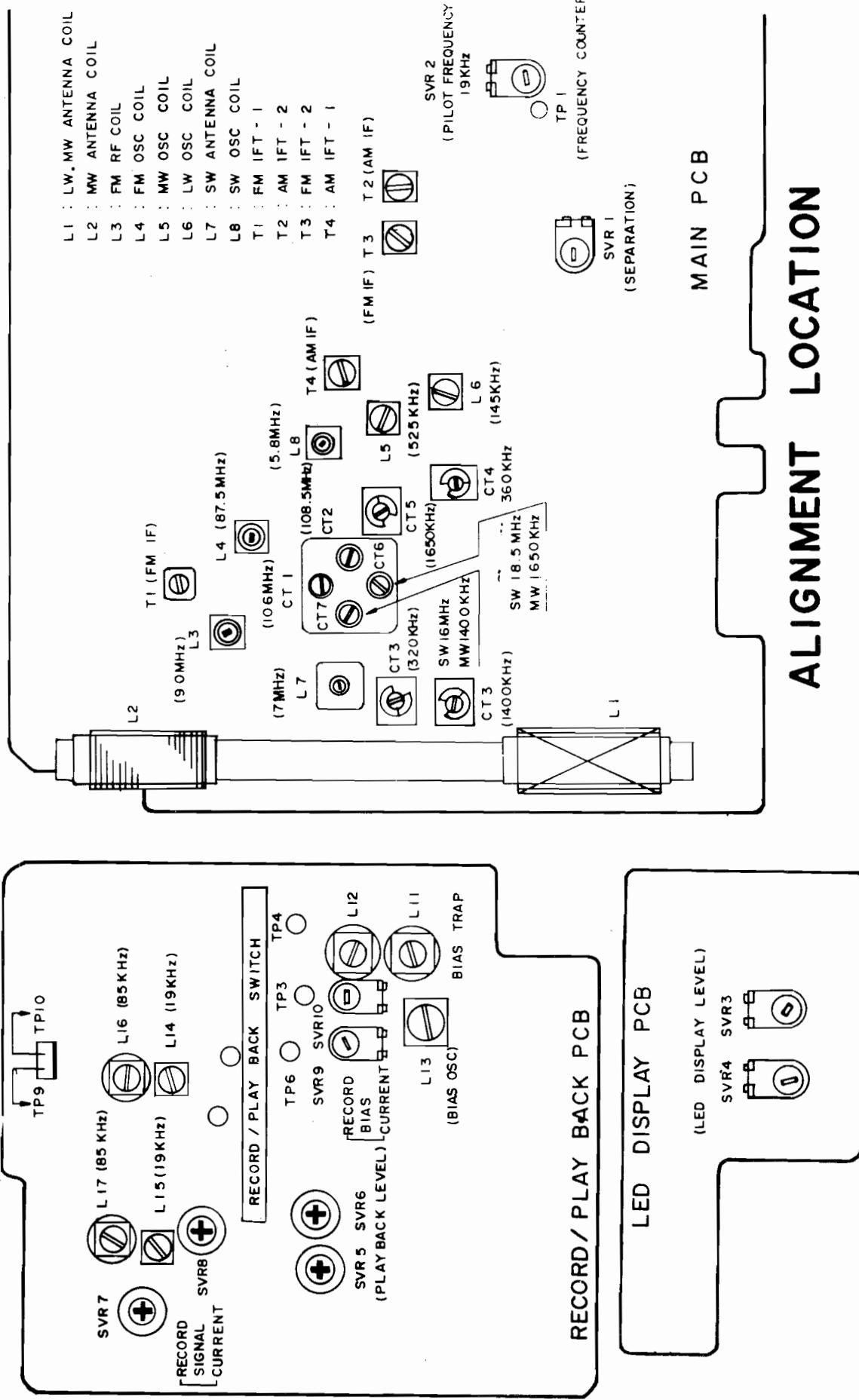
- 1) Input signal is not necessary for this adjustment.
- 2) Connect a Frequency Counter to TP6 and ground.
- 3) Press the Record Button.
- 4) Adjust L13 for a reading of 85KHz on the counter.

- SIGNAL LEVEL ADJUSTMENT

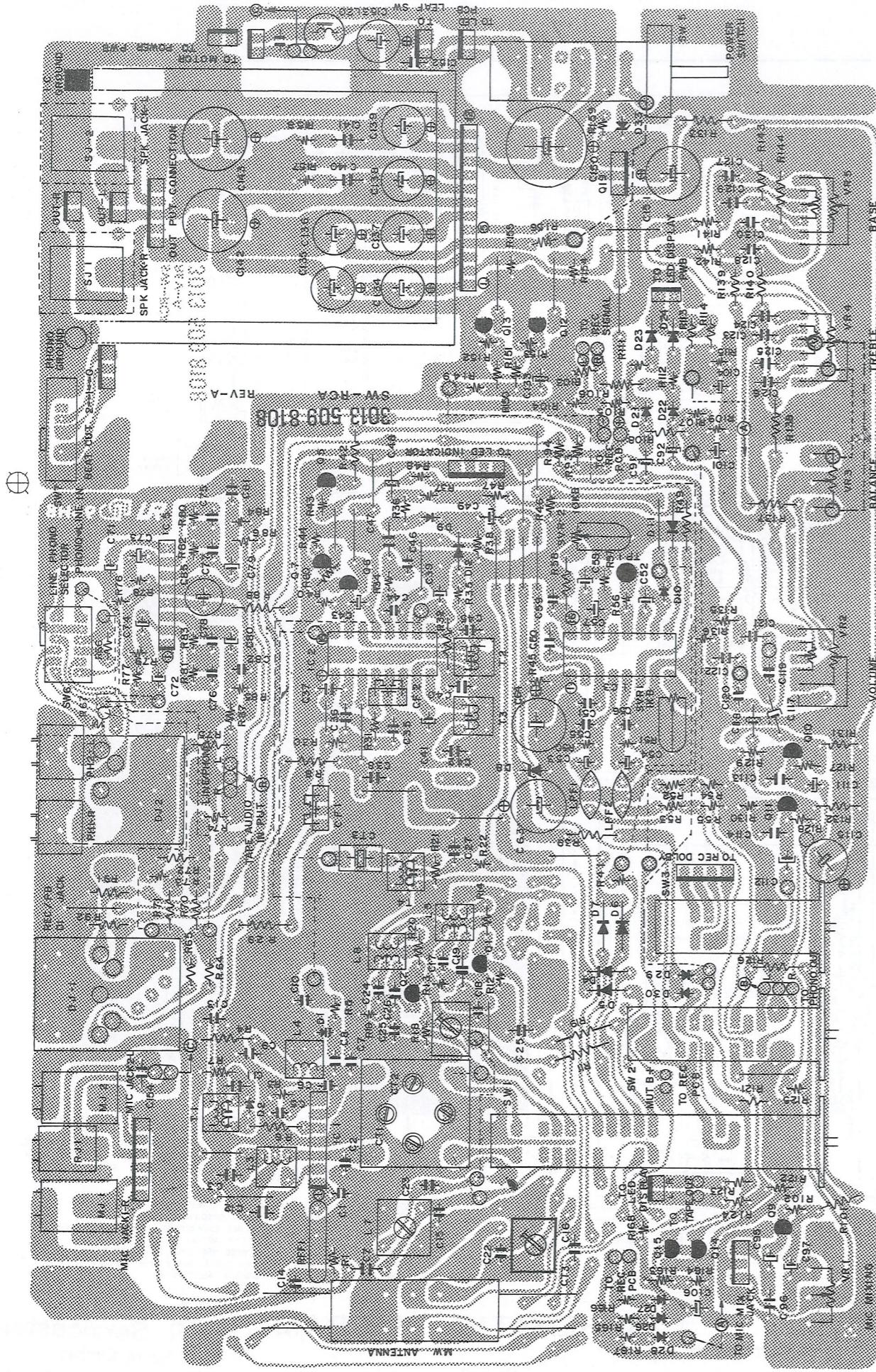
- 1) Play under the condition as above step 1), 2), 3) of the bias trap coil adjustment.
- 2) Input signal is not necessary for this adjustment.
- 3) Adjust SVR9 for 86mV output.
- 4) Repeat above procedures for the other channel with SVR10.

- RECORD LEVEL ADJUSTMENT

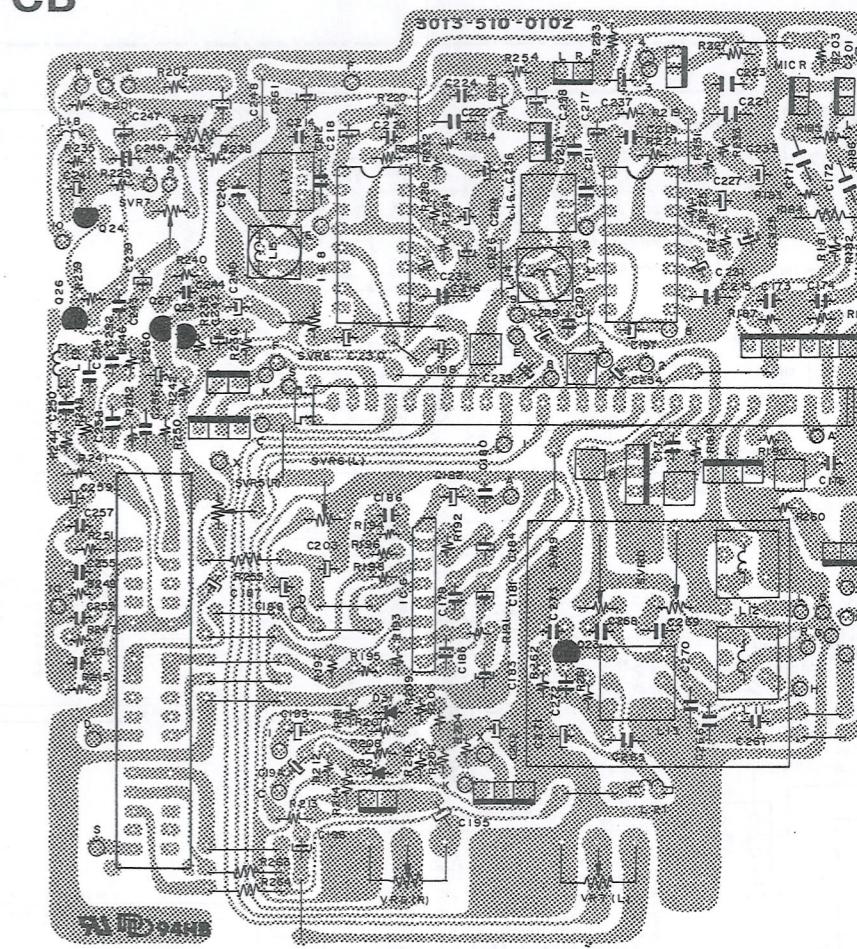
- 1) Set the selector switch to normal.
- 2) Disconnect the lead fasten connected to the oscillation block.
- 3) Connect a voltmeter and an oscilloscope to TP3, TP4.
- 4) Press the record button.
- 5) Feed 150mV (400Hz) through tape input jacks and adjust the record level control for dolby level.
- 6) Adjust SVR7 for 7mV.
- 7) Repeat above procedures for the other channel with SVR8.



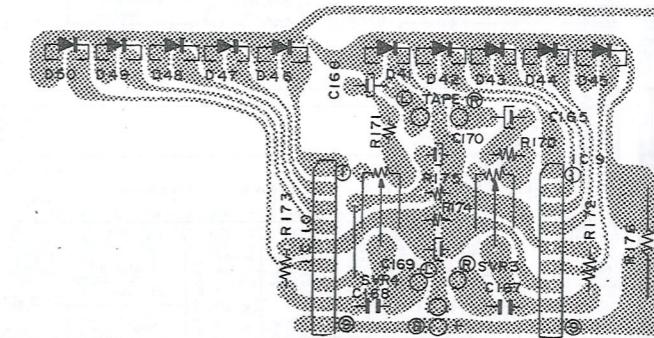
MAIN PCB



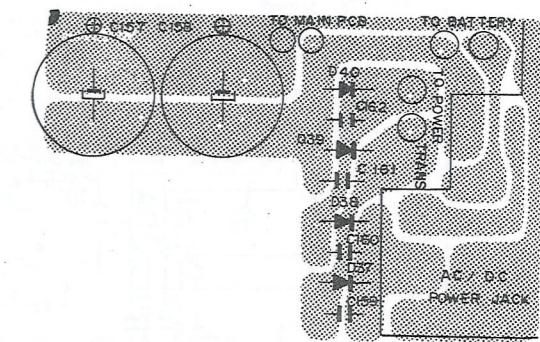
RECORD PCB

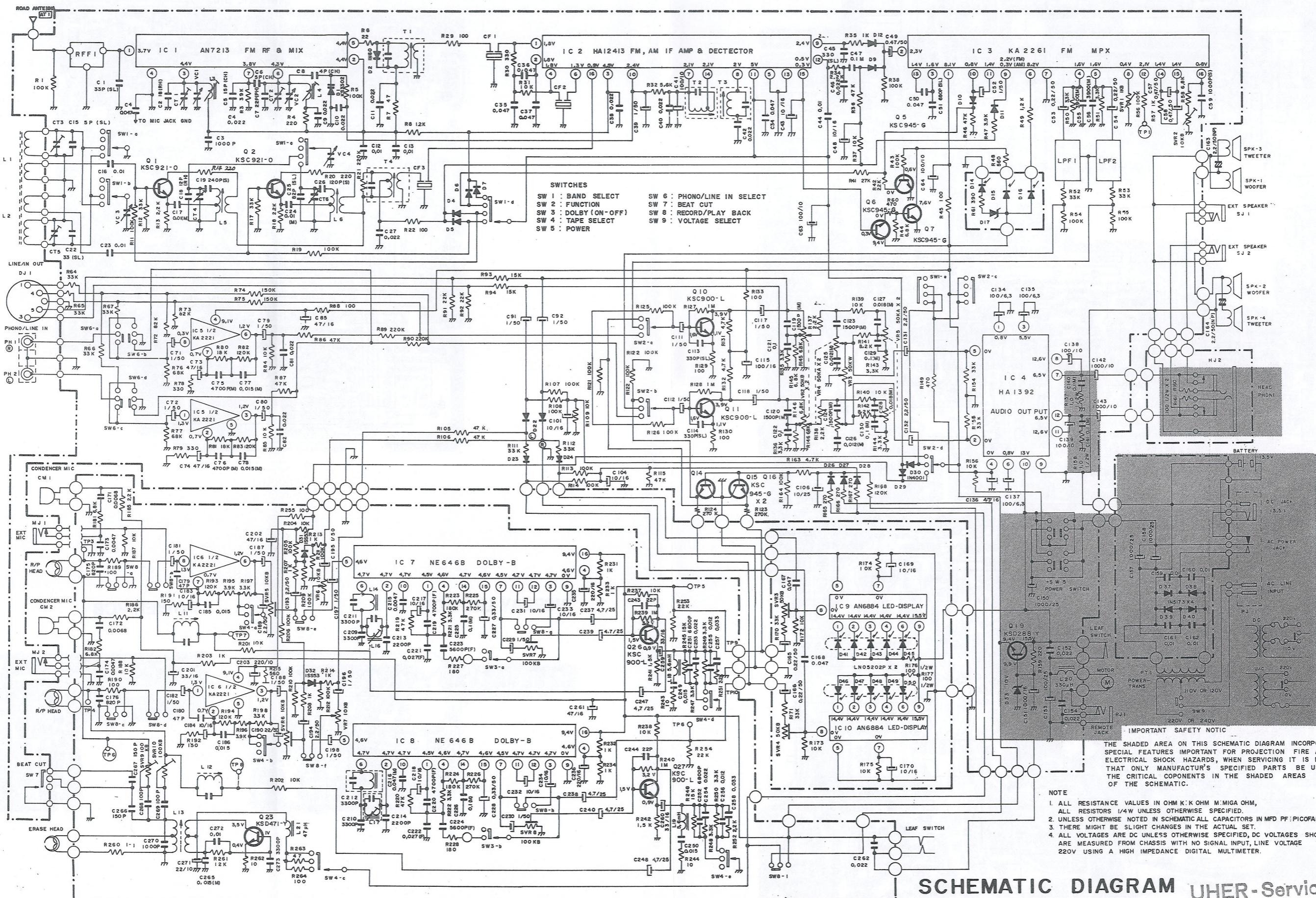


DISPLAY LED PCB



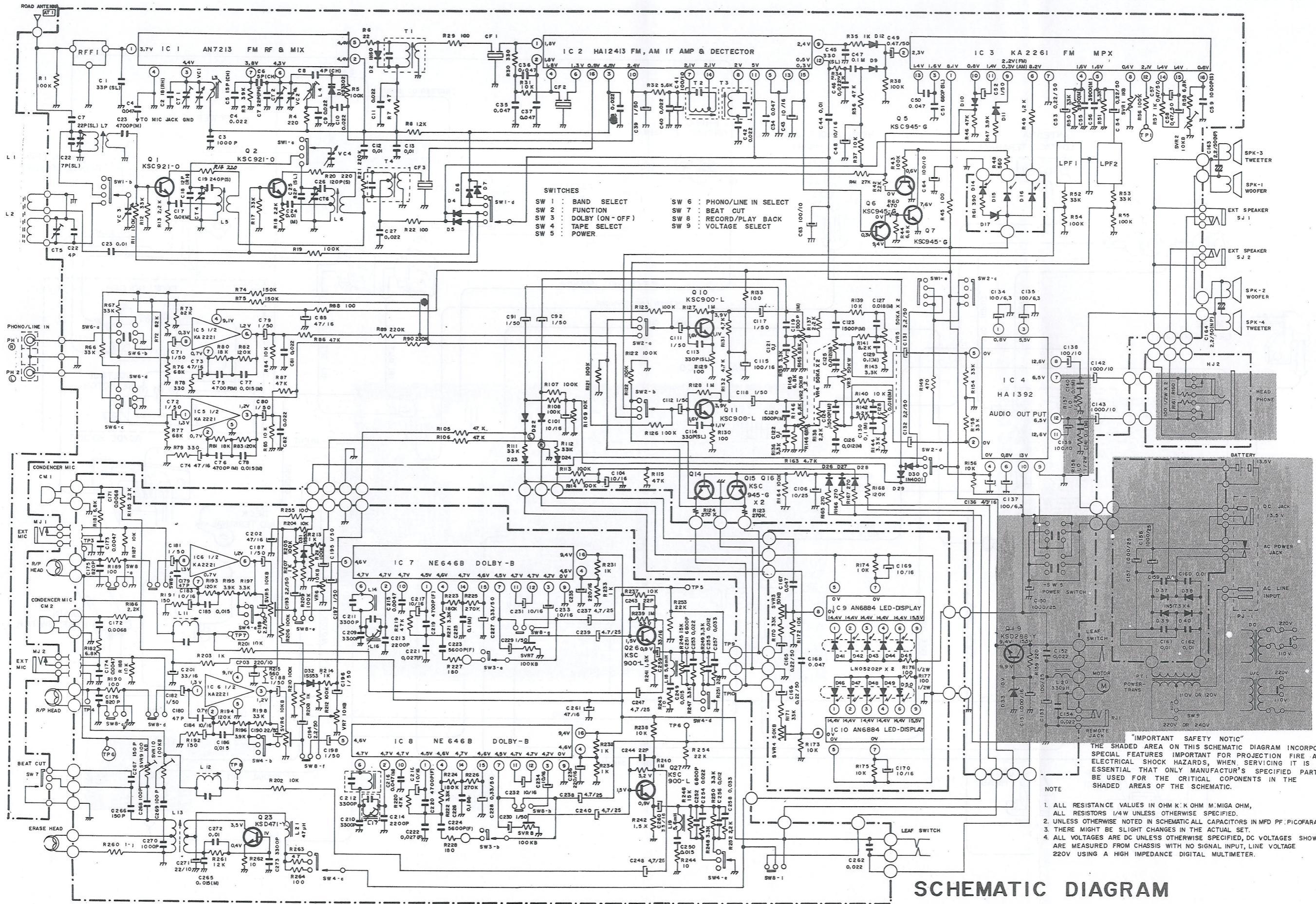
POWER PCB





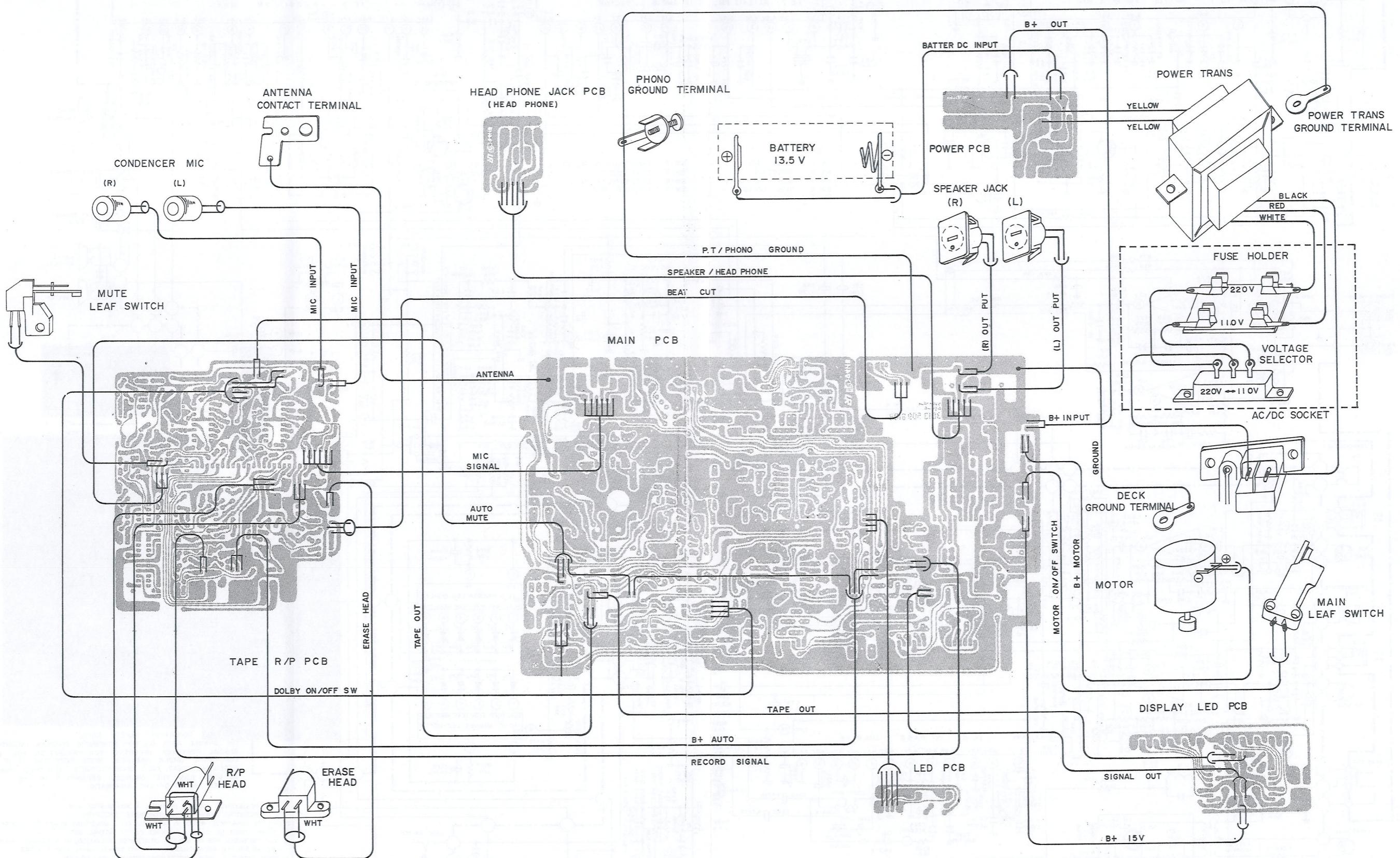
SCHEMATIC DIAGRAM UHER-Servicestelle
Holm GmbH
2 Hamburg 26 · Luisenweg 97
Tel. 040/21 20 71

UHER P9002

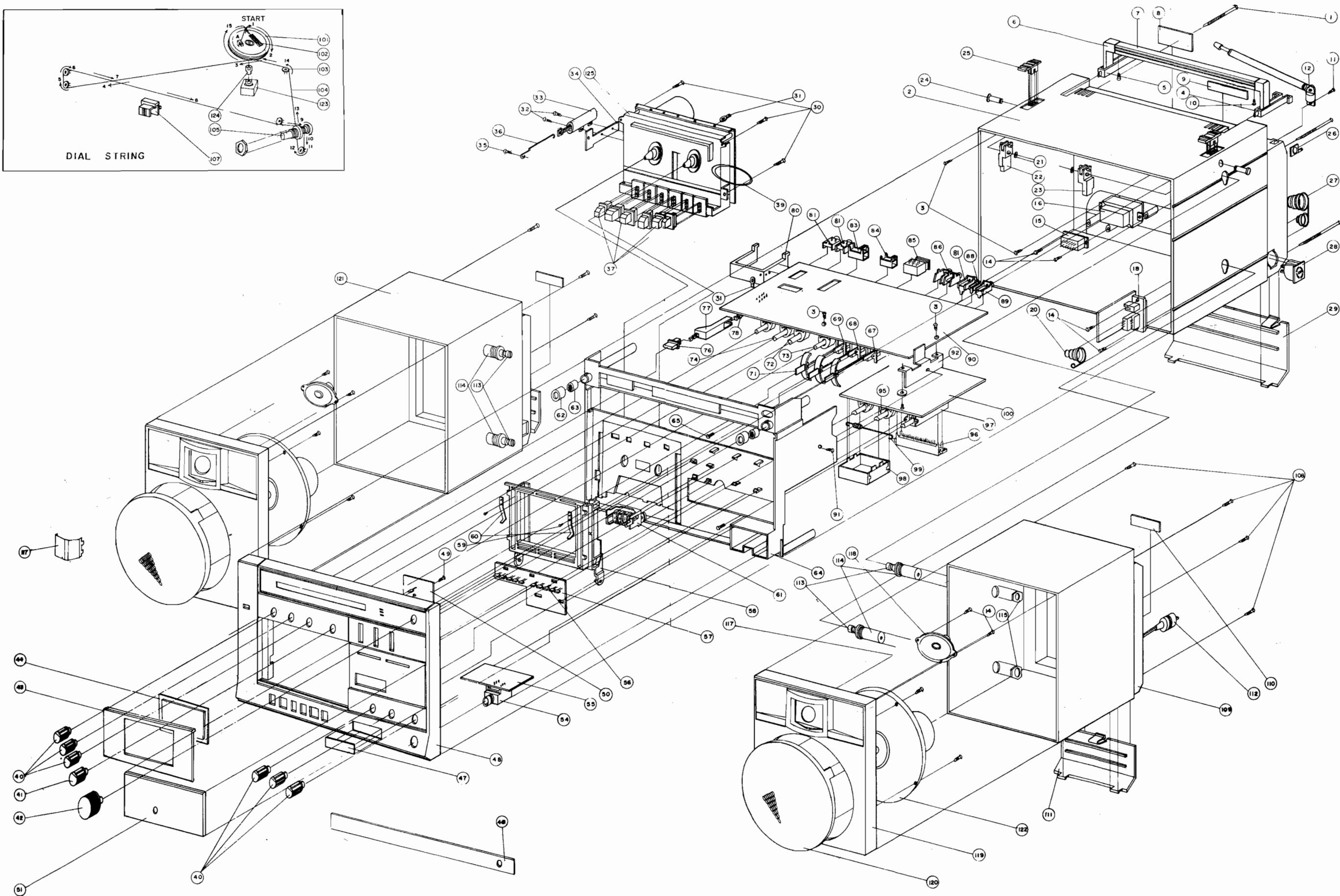


SCHEMATIC DIAGRAM

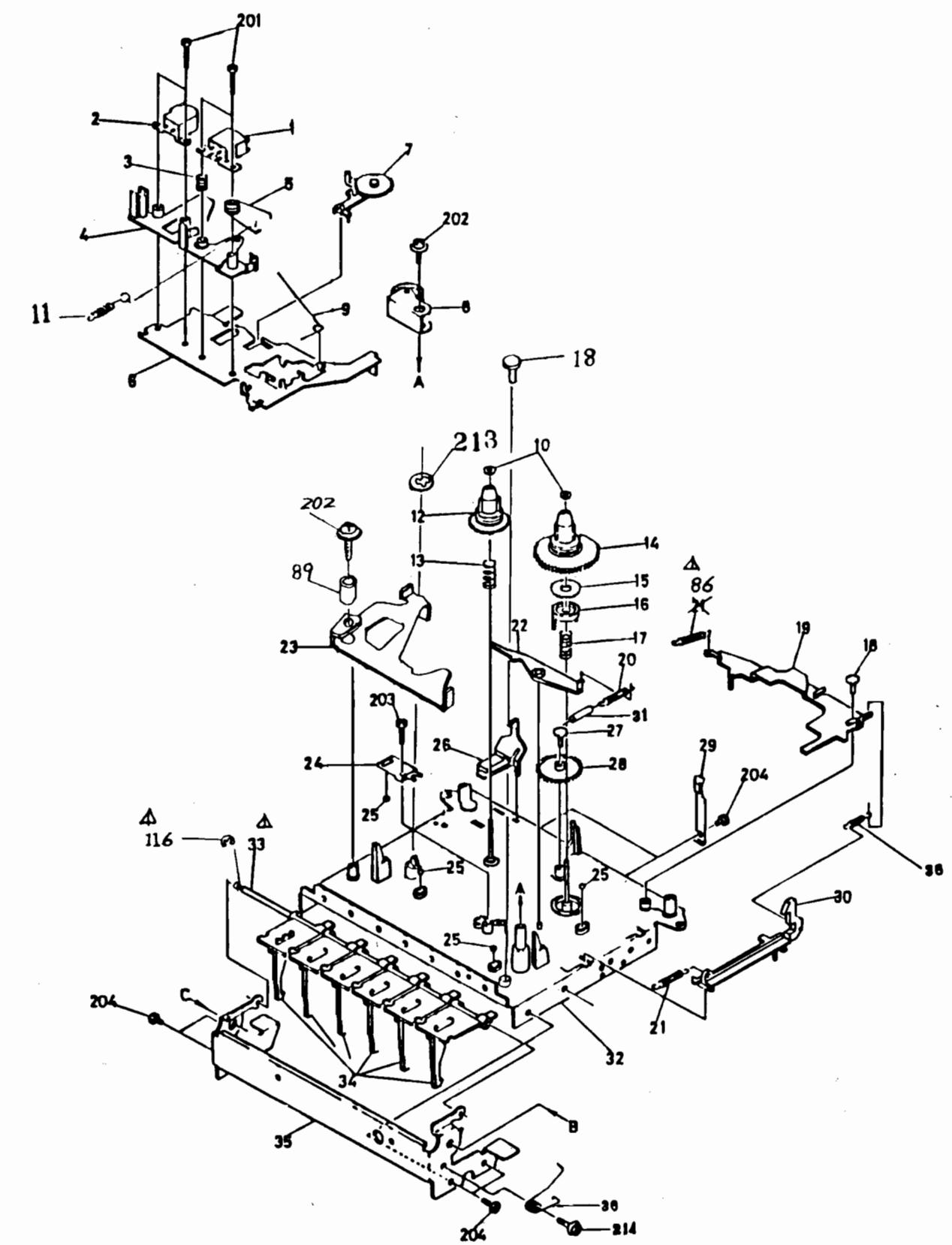
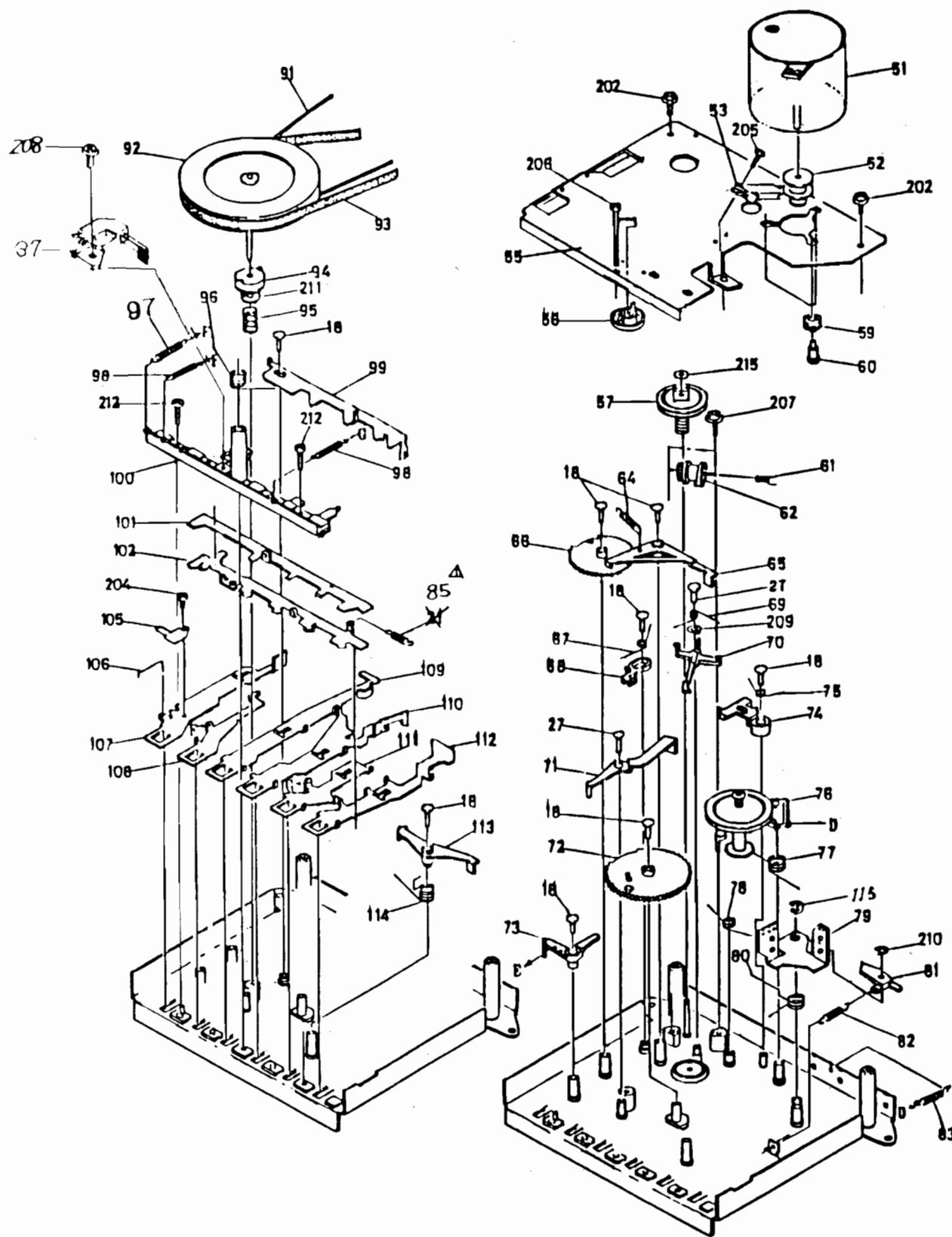
WIRING DIAGRAM



EXPLODED VIEW AND DIAL STRING



DECK EXPLODED VIEW



A) ELECTRIC PARTS

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
IC1	IC	AN7213	2119-201-2509		
IC2	IC	HA12413	2119-201-2101		
IC3	IC	KA2261	2119-201-4606		
IC4	IC	HA1392	2119-201-3708		
IC5	IC	LA3160	2119-202-4308		
IC6	IC	KA2221	2119-201-4800		
IC7, 8	IC	NE646B	2119-203-1005		
IC9, 10	IC	AN6884	2119-201-2606		
Q1, 2	TRANSISTOR	KSC921-O	2139-301-7309		
Q5, 6, 7, 14, 15	TRANSISTOR	KSC945-G	2139-302-6501		
Q10, 11	TRANSISTOR	KSC900-L	2139-301-6809		
Q26, 27	TRANSISTOR	KSD471-Y	2149-401-1206		
Q23	TRANSISTOR	KSD288-Y	2149-401-2705		
D1	DIODE	KS3302	2169-501-1603		
D2	DIODE	IN60FM	2169-101-1403		
D3, 4, 6	DIODE	ISS53	2169-301-2901		
D9, 10, 11					
D12, 21, 22					
D23, 24, 26					
D27, 28, 29					
D31, 32					
D7	DIODE	IN4001	2619-201-0504		
D8, 17	DIODE-ZENER	1W 5.3-6V	2169-404-1108		
D14, 16	LED	SLP151B	2309-104-1602		
D15	LED	SLP251B	2309-104-1505		
	DIODE-ZENER	1W 9.4V ~ 10.6V	2169-403-2401		
	DIODE	IN4148	2169-201-1302		
D41 ~ 50	LED	LN052029	2309-117-0102		
SW1	SWITCH-LEVER	00640484 6P-4C, S	3549-801-0501		
SW2	SWITCH-LEVER	00430540 4C-3P, S	3549-801-0307		
SW3	SWITCH-LEVER	00220546 2C-2P	3549-801-0404		
SW4	SWITCH-ROTARY	SRZ-S063 6C-3P	3509-201-2604		
SW5	SWITCH-PUSH	SLP12 4C-2P	3529-203-6503		
SW6	SWITCH-SLIDE	00420159 4C-2P	3519-930-2709		
SW7	SWITCH-SLIDE	001301011C-3P	3519-930-1607		
SW8	SWITCH-SLIDE	CL109K 9C-2P	3519-201-0900		
SW9	SWITCH-SLIDE	00120141 1C-2P	3599-501-0208		
VR2	VR-DOUBLE	K16J-003D 50KBx2	1219-811-0302		
VR3	VR-SINGLE	K161A-OG26 50KW	1219-805-0109		
VR4, 5	VR-DOUBLE	K162V-0015 50KAx2	1219-804-0203		
VR6, 7	VR-SINGLE	K161A00-10KB	1209-109-0404		
SVR1	VR-SEMI	TR24R B1K	1249-104-0302		
SVR2	VR-SEMI	TR24R B10K	1249-104-0108		
SVR3, 4	VR-SEMI	TR24R B50K	1249-104-0205		
				110/220V	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
SVR5, 6	SR-SEMI	SR19R B10K	1249-102-0306		
SVR7, 8	SR-SEMI	SR19R B100K	1249-102-0704		
SVR9, 10	SR-SEMI	SR19R B220K	1249-102-0908		
CM1, 2	MICROPHONE	KUC-1523-01-024	4219-102-0401		
MJ1, 2	JACK-EARPHONE	3.5PI (HLJ0491-01-010)	3333-510-1106		
SJ3, 4	JACK-DIN 29	TCS9001-01-1011	3339-551-0304		
SJ1, 2	JACK-EARPHONE	3.5PI (HLJ0491-01-010)	3333-510-1106		
SJ1, 2	JACK-DIN SP	TCS9004-01-1011	3333-510-1407		
RJ1	JACK-REMOTE	2.5PI (HSJ0492-01-010)	3333-510-2101		
HJ1, 2	JACK-HEADPHONE	HLJ0306-01-040	3339-521-0602		
PJ1	SOCKET-2P SW (CP)	HSC0426-01-210	3354-500-3102		CPT TYPE
PJ1	SOCKET-2P SW (EP)	HSC0425-01-020	3353-101-1102		EP TYPE
DJ1	JACK-DIN	TCS4451-01-1011	3339-551-0100		DIN TYPE
PH1, 2	JACK-RCA 1P	S155B (1P)	3339-524-0504		RCA TYPE
PH1, 2	JACK-DIN	TCS4451-01-1011	3339-551-0100		DIN TYPE
POWER CORD, AC		KP419-C KS-15 CP	3053-808-5107		CPT TYPE
POWER CORD		KP10 KS-18 SPT-1	3053-907-6109		EP TYPE
POWER CORD, AC		KP560 KS15 UFSA-2	3059-808-0405		APT TYPE
CORD-SPK W/PLUG		V/0.16 300V 1100MM	3054-400-4109		
CORD-SPK W/PLUG		1007 #24 1100MM	3054-400-4206		
TRANS-POWER		E157 110/220V 50/60Hz	2869-200-1109		CANADA
TRANS-POWER		E157 220V 50Hz VDE	2869-200-1206		EUR
TRANS-POWER		E157 240V 50Hz BS	2869-200-1303		BS
TRANS-POWER		E157 110/220V 50/60Hz	2869-200-1400		EX etc.
TRANS-POWER		E157 110/220V 50/60Hz	2869-200-1604		U.S.A.
F1	FUSE-W/LEAD	125/250V 4A 31.8-L	4709-131-3008		CANADA
CF1, 2	FILTER-CERAMIC	SFE-10.7MA5	4529-303-0619		
CF3	FILTER-CERAMIC	SFU 455B	4529-315-0102		
LPF1, 2	FILTER-LOWPASS	B3AN 0701-32	4529-505-2109		
RFF1	COIL-BANDPASS	BPME1	2489-003-0103		
SPEAKER1, 2	SPEAKER-WOOFER	1212A 120MM 40HM 6W	4209-125-2009		
SPK3, 4	SPEAKER-TWEETER	4T02A 40MM 40HM 6W	4209-401-0312		
L1	COIL-BAR ANT MW	32 CORE 120HM 350μH 71.6	2509-309-5106		SW BAND
L1 + L2	COIL-BAR ANT MW/LW	9132 CORE 120MH 350μH/3.5MH	2509-608-2105		LW BAND
L3	COIL	0.5PIx1.99T	2539-022-0100		
L4	COIL-FM OSC	7MM	2519-108-2105		
L5	COIL-SEVEN, CAN	200μH A-BASE F MW RED	2619-010-7022		
L6	COIL-SEVEN, CAN	780μH A-BASE F LW GRN	2619-012-7152		LW BAND
L7	COIL-ANT, SW	9.5M/M	2509-805-0201		SW BAND
L8	COIL-SEVEN, CAN	2.5μH A-BASE FSW BLK	2619-014-8205		
L11, 12, 14, 15	TRANS	FB-9 85B (S-174-049)	2429-080-2704		
L13	COIL-TEN, CAN	11MH H-BASE F85K BLK	2619-584-1406		
L16, 17	COIL-SEVEN, CAN	23MH E-BASE F19K	2619-055-1809		
L18, 19	COIL-CHOKE, RND	5.6MH-K Q80 F0R252	2429-010-2105		
L20	COIL-CHOKE, RND	330μH-K Q80 F1R3	2429-010-1100		
L21	COIL-CHOKE, RND	47μH-K Q30 F2R52	2429-020-0902		

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
T1	TRANS-IF FM1	7M/M CAN	2739-202-0102		
T2	TRANS-IF AM3	7M/M CAN	2749-201-0308		
T3	TRANS-SEVEN CAN	2.2 μ H L-BASE F FM BLU	2619-133-0665		
T4	TRANS-IF AM, A	7M/M CAN	2749-202-1306		
CT3, 4	C-TRIMMER	14PF 50V	1829-508-0308		LW BAND
CT3, 5	C-TRIMMER	14PF 50V	1829-528-0308		SW BAND
	VARICON-POLY	92S-22CNT-A/C	1819-309-0803		
	ANTENNA-ROD	6.5 ϕ 713MM RT-50M	4509-316-0406		
R157, 158	R-CARBON	RD 1/2P 1-J	1018-327-1098		
R160, 161	R-CARBON	RD 1/2P 100-J	1018-327-1016		
C150, 157, 158	C-POLYSTYRENE	CQ09 S50V 3300-J	1509-452-2200		
C211, 212	C-POLYSTYRENE	CQ09 S50V 2200-J	1509-452-2006		
C213, 214	C-POLYPROPYLENE	M50V 4700-F	1509-331-2701		
C219, 220	C-POLYPROPYLENE	M50V 0.027M-F	1509-331-2905		
C221, 222	C-POLYPROPYLENE	M50V 5600-F	1509-331-2808		
C223, 224	C-TANTALUM, SOLID	35V 0.1M-K	1629-201-4207		
C225, 226	C-TANTALUM, SOLID	35V 0.33M-K	1629-201-4304		
C227, 228	C-POLYESTER	M200V 0.001M-K	1509-126-0309		

B) MECHANICAL PARTS

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
1	SCREW-TAP RH	1-3x75 FE FZY	7148-130-7517	4	
2	CABINET-BACK	HIPS 94HB	6000-502-6104	1	
3	SCREW-TAP RH SPEC	2S-3x8 FE FZY	7148-530-0819	6	
4	GUIDE HANDLE L	PE 94HB	6463-501-4104	1	
5	GUIDE HANDLE R	PE 94HB	6463-501-5109	1	
6	HANDLE BAR	ZNDC CR	6423-501-1109	2	
7	HANDLE BEAM	PVC EXTR 94HB	7664-501-7103	1	
8	LABEL-RATING MAIN	ALS 0.3T		1	
9	LABEL-DOLBY	AL FOIL	8114-538-4103	1	
10	SCREW-FH	+M3x6 FE FZY	7018-130-0611	2	
11	SCREW-RH	+M3x8 FE FZY	7048-130-0810	1	
12	ANTENNA-ROD	65PI 713MM RT-50M	4509-316-0406	1	
14	SCREW-TAP RH	2S-3x8 FE FZY	7148-530-0819	8	
15	VOLTAGE-SELECTOR	00120 141K-29	3599-501-0208	1	
16	TRANS POWER			1	
18	AC JACK	HSC0425-01-020	3354-500-3102	1	
20	SPRING-BATTERY	SWP 1.0 ϕ NI	6674-515-1207	1	
21	E-RING	STS 2.5 ϕ	7358-102-5061	2	
22	LEVER-LOCK SPK L	ABS 94HB	6463-501-6104	1	
23	LEVER-LOCK SPK R	ABS 94HB	6463-501-6201	1	
24	SHAFT-LOCK	FE NI PLATING	5104-511-9107	4	
25	KNOB-LOCK SPK	ABS 94HB	7624-516-4104	2	
26	CONTACT-BATTERY	BSP 0.7T FT	3114-501-5109	1	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
27	SPRING-BATTERY A	SWP 1.0φNI	6674-515-1100	1	
28	JASK-DIN 2P	TCS 9004-01-100	3333-510-1407	2	
29	DOOR-BATTERY	ABS 94HB	7643-503-7102	1	
30	SCREW-TAP RH	2S-3x10 FE FZY	7148-530-1018	2	
31	LUG	0.3T-TE SBC	3114-102-4208	2	
32	SCREW RH	+M2.6x6 FE FZY	7048-126-0613	2	
33	PARTS FOR TAPE	MECHANISM EJECT	5194-500-2103	1	
	DECK	HOLDER			
34	BRKT-DAMP	SBHG-1 1.0T	6614-599-6105	1	
35	SCREW-TAP RH	2-2.6x6 FE FZY	7154-500-2105	1	
36	LINK-DAMP	SUS 1.0φ	5264-500-7106	1	
37	KNOB-CASSETTE	ABS 94HB	7623-504-3105	6	
39	BELT COUNTER	CR-WRT	5274-500-5402	1	
40	KNOB-TONE	ABS 94HB	7623-504-7202	6	
41	KNOB-VR	ABS 94HB	7623-504-7207	1	
42	KNOB-TUNING	ABS 94HB	7623-504-5202	1	
43	DOOR-CASSETTE	ABS 94HB	7643-504-9105	1	
44	WINDOW DOOR	ACRYL SMOKE	7654-507-7109	1	
46	DIAL SCALE	ACRYL CLR		1	
47	BADGE BRAND	ALS 0.3T		1	
48	CABINET FRONT	HIPS 94HB		1	
49	SCREW-TAP RH	2S-3x6 FE FZY	7148-530-0615	1	
50	PWB LED	30x25x1.6T 94HB		1	
51	WINDOW-LED	ACRYL-2.0T CLR	7654-537-6102	1	
54	HEAD PHONE JACK	HLJ 0306-01-040	3339-521-0602	1	
55	PWB-HEAD PHONE	55x38x1.6T 94HB		1	
56	LED-METER	LN-052029	2309-117-0102	2	
57	PWB-LED	93x51x1.6T 94HB		1	
58	HOLDER-CASSETTE	ABS BLK 94HB	6602-100-7109	1	
59	SPRING-TAPE	SUS 0.3T	6674-515-4105	2	
60	SCREW-TAP RH	2S-2x6 FE FZY	7108-520-0632	2	
61	COUNTER	SCR300-124	4319-007-0109	1	
62	HOLDER-CON MIC	RUBBER	6604-514-0107	2	
63	MICROPHONE	KUC-1523-01-024	4219-102-0401	2	
64	CHASSIS-MAIN	HIPS 94HB	6020-500-1103	1	
65	SCREW RH	+M3x8 FE FZY	7048-110-0810	2	
67	SWITCH-LEVEL	00640484 6C-6P	3549-801-0501	1	
68	SWITCH-LEVEL	00430540 4C-3P	3549-801-0307	1	
69	SWITCH-LEVEL	00220546 2C-2P	3549-801-0404	1	
71	KNOB LEVER	ABS 94HB	7624-516-5206	3	
72	VR-SINGLE	R161A-OG26-50KW	1219-805-0109	1	
73	VR-DOUBLE	K162J-002D 50KBx2	1219-811-0302	1	
74	VR-DOUBLE	K162V-0015-50KA-2	1219-804-0203	2	
76	KNOB-POWER	ABS 94HB	7624-517-5209	1	
77	LINK POWER	ABS 94HB	6463-501-3109	1	
78	SWITCH PUSH	SUF12 4C-2P H:12.5	3529-203-6503	1	
80	HEAT SINK	ALS	5684-504-5100		
81	JACK EARPHONE	93.5 (HLU 0491-01-010)	333-510-1106	4	
83	SWITCH SLIDE	00310101, 10-3P	3519-930-1606	1	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
84	SWITCH-SLIDE	00420159, 4C-2P	3519-930-2709	1	
86	JACK RCA	1P ASSY	3339-524-0504	1	
88	JACK REMOTE	φ2.5 (HSJ 0492-01-010)	3333-510-2101	2	
90	MAIN PWB	330x158x1.6T 94HB	3013-509-8108	1	
91	SCREW-TAP RH	2S-3x8 FE FZY	7118-230-0817	1	
92	BRKT PWB (M)	SPC 1.0T FZY	6624-502-4100	1	
95	VR SINGLE	K161A 00-10KB	1209-109-0404	2	
96	SWITCH-SLIDE	LC109K-9C-2P, S	3519-201-0900	1	
97	SWITCH-ROTA Y SLIDE	SRZ-S063 6C3P NS	3509-500-4104	1	
98	SHIELD-FENCE REC	TE-SBC 0.3T	6134-500-4104	1	
99	SPRING-REC L	STS 1.0φ	6674-516-8108	1	
100	REC PWB	125x111x1.6T 94HB	3013-510-0102	1	
101	DIAL-DRUM	ABS BLK	5223-500-5109	1	
102	SPRING DRUM	SUS 27 φ0.4	6674-512-3101	1	
103	WHEEL DIAL A	PP	5224-104-7102	5	
104	DIAL-CORD	φ0.5 KEVLER	0729-140-2016	1.5MT	
105	SHAFT-TUNING	MBS	5104-512-0105	1	
106					
107	POINTER	ABS ORANGE	8004-504-8100	1	
108	SCREW-TAP PH	1-3x12 FE FZY	7108-130-1216	8	
109	CABINET BACK SPL L	HIPS 94HB	6001-559-2107	1	
110	LABEL-RATING SPK	ALS 0.3T	8034-517-0105	2	
111	DOOR CORD SPK	ABS 94HB	7643-503-6107	2	
112	CORD-SPK W/2P DIN	21/0.12 300V	3054-400-4109	2	
	PLUG	1000MM GRAY			
113	SHAFT LINK SPK	SUM 24LF ZW	5104-512-4105	4	
114	HOUSING LOCK SPK	PC	6814-500-9100	4	
115	NUT	M12xP1.0 FZ	7208-121-2102	4	
117	GRILL-TWEETER	SPC 0.5T	7714-528-0109	2	
118	SPEAKER TWEETER	4T 0.2A 40MM 6W 40HM	4209-401-0312	2	
119	CABINET FRONT	HIPS 94HB	6002-503-2101	2	
120	GRILL WOOFER	SPC 0.5T	7713-502-6102	2	
121	CABINET BACK SPK R	HIPS 94HB	6001-559-2204	1	
122	SPEAKER WOOFER	1212A 120MM 6W 40HM	4209-125-2009	2	
123	VARICON-POLY	P2S-22CNT-A/C	1819-309-0803	1	
124	SHAFT-VARICON	MBS	5104-512-5100	1	
125	DECK ASSY	RF403-14	4929-110-0509	1	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
1	R/P HEAD	2232007	0000-063-001	1	
2	ERASE HEAD	88601	0000-063-002	1	
3	C. SPRING	PBE13666	0000-063-003	1	
4	HEAD STAND	PBC1134	0000-063-004	1	
5	SPRING	PBE6163	0000-063-005	1	
6	HEAD BASE	PBC1133	0000-063-006	1	
7	IDLER ASSY	PBE01594	0000-063-007	1	
8	PINCH ARM ASSY	PBE01600	0000-063-008	1	
9	SPRING	PBE6161	0000-063-009	1	
10	WASHER	PGMW16x140020	0000-063-010	2	
11	T. SPRING	PBE6189	0000-063-011	1	
12	S REEL	PBD1622	0000-063-012	1	
13	S BRAKE SPRING	PBE6003	0000-063-013	1	
14	T REEL ASSY	PBE01595	0000-063-014	1	
15	FRICTON PLATE	PBE14729	0000-063-015	1	
16	CLUTCH PLATE	PBE14935	0000-063-016	1	
17	C. SPRING	PBE6184	0000-063-017	1	
18	BUSH	PBE14926	0000-063-018	10	
19	BRAKE	PBD1643	0000-063-019	1	
20	T. SPRING	PBE6017	0000-063-020	1	
21	T. SPRING	PBE13863	0000-063-021	3	
22	PAUSE ARM	PBE14933	0000-063-022	1	
23	CAM LEVER	PBD1642	0000-063-023	1	
24	HOLDER PLATE	PBE14951	0000-063-024	1	
25	STEEL BALL	PBE14460	0000-063-025	4	
26	INTER ROCK PLATE	PBC1132	0000-063-026	1	
27	BUSH	PBE14923	0000-063-027	3	
28	IDLER GEAR	PBE14939	0000-063-028	1	
29	CASSETTE HOLDER	PBE14956	0000-063-029	2	
30	LATCH LEVER	PBD1721	0000-063-030	1	
31	TUBE	PBE15318	0000-063-031	1	
32	CHASSIS OS	PBC0780	0000-063-032	1	
33	BUTTON SHAFT	PBE14928	0000-063-033	1	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
34	BUTTON LEVER	PBE2954	0000-063-034	6	
35	BUTTON FRAME	PBD1722	0000-063-035	1	
36	SPRING	PBE6167	0000-063-036	1	
37	LEAF SWITCH	MSW1353	0000-063-037	1	
38	T, SPRING	PBE6191	0000-063-038	1	
51	MOTOR	EG510ED2B2	0000-063-051	1	
52	PULLEY	PBE14937	0000-063-052	1	
53	SKELETON SWITCH	QAS1129A	0000-063-053	1	
55	HOLDER	PBD1659	0000-063-055	1	
56	CAPS, TAN SUPPORT	PBE14994	0000-063-056	1	
57	WORM	PBD1644	0000-063-057	1	
59	RUBBER CUSHION	PBE13360	0000-063-059	3	
60	SD SCREW	PBE13913	0000-063-060	3	
61	C, SPRING	PBE6097	0000-063-061	1	
62	AS CAM	PBD1660	0000-063-062	1	
64	REW SPRING	PBE6057	0000-063-064	1	
65	START LEVER	PBE14945	0000-063-065	1	
66	ASSIST GEAR B	PBD1648	0000-063-066	1	
67	SPRING	PBE6170	0000-063-067	1	
68	EJECT SUB PLATE	PBE14941	0000-063-068	1	
69	SPRING	PBE6160	0000-063-069	1	
70	SENSER	PBD1645	0000-063-070	1	
71	ASSIST GEAR A	PBD14946	0000-063-071	1	
72	ASSIST GEAR A	PBD1647	0000-063-072	1	
73	START LEVER C	PBE14958	0000-063-073	1	
74	SENSER ARM	PBE14992	0000-063-074	1	
75	SPRING	PBE6177	0000-063-075	1	
76	TENSION ASSY	PBE01593	0000-063-076	1	
77	SPRING	PBE6164	0000-063-077	1	
78	SPRING	PBE6197	0000-063-078	1	
79	CHANGE PLATE A ASSY	PBE02024	0000-063-079	1	
80	SPRING	PBE6166	0000-063-080	1	
81	CHANGE PLATE B	PBE14936	0000-063-081	1	
82	T, SPRING	PBE6155	0000-063-082	1	
83	T, SPRING	PBE6154	0000-063-083	1	
91	BELT	PBE5046	0000-063-091	1	
92	FLYWHEEL	PBE14948	0000-063-092	1	
93	BELT	PBE5044	0000-063-093	1	
94	FLYWHEEL GEAR	PBE14944	0000-063-094	1	
95	C, SPRING	PBE6168	0000-063-095	1	
96	SPRING	PBE6175	0000-063-096	1	
97	T, SPRING	PBE6102	0000-063-097	1	
98	T, SPRING	PBE6124	0000-063-098	2	
99	CAM PLATE	PBD1658	0000-063-099	1	
100	LEVER HOLDER	PBD1646	0000-063-100	1	
101	INTER PLATE	PBD1723	0000-063-101	1	
102	LOCK PLATE, A	PBD1655	0000-063-102	1	

SYMBOL NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
105	PAUSE PLATE SPRING	PBE14954	0000-063-105	1	
106	LOCK PIN	PBE14982	0000-063-106	1	
107	PAUSE LEVER	PBD1726	0000-063-107	1	
108	STOP LEVER	PBD1727	0000-063-108	1	
109	F. F LEVER	PBD1728	0000-063-109	1	
110	REW LEVER	PBD1729	0000-063-110	1	
111	PLAY LEVER	PBD1730	0000-063-111	1	
112	REC LEVER	PBD1731	0000-063-112	1	
113	START LEVER A	PBE14942	0000-063-113	1	
114	SPRING	PBE6171	0000-063-114	1	
115	ERING	PGRE40A	0000-063-115	1	
201	SCREW (HEAD)	PGSN20A2011	0000-063-201	4	
202	F,TAP-SCREW	PGST15A2608	0000-063-202	3	
203	DT SCREW	PGSD10A2610	0000-063-203	1	
204	DT SCREW	PGSD10A2605	0000-063-204	8	
205	DT SCREW	PGSD10A2010	0000-063-205	1	
206	DT SCREW	PGSD10A2630	0000-063-206	1	
207	F, TAP SCREW	PGST15A2606	0000-063-207	2	
209	WASHER	PGWM26x060020	0000-063-209	1	
210	E, RING	PGRE25A	0000-063-210	1	
211	WASHER	PGWP21x080013	0000-063-211	1	
212	DT SCREW	PGSD10A2608	0000-063-212	2	
213	CS RING	PGRS509	0000-063-213	1	
214	SCREW	PBE14984	0000-063-214	1	
215	WASHER	PGWM21x070030	0000-063-215	1	